

Please amend the Application as follows.

**AMENDMENTS TO THE CLAIMS:**

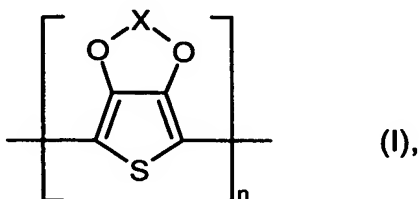
The present listing of claims replaces all prior versions, and listings of claims in the application.

Claim 1. (Currently Amended) A dispersion comprising:  
polyanions;  
cationic 3,4-polyalkylenedioxythiophenes; and  
a solvent comprising water and optionally alcohol,  
wherein said dispersion has a weight ratio of cationic 3,4-polyalkylene-  
dioxythiophene to polyanion of from 1 : 8 to 1 : 25, said dispersion being prepared  
by high pressure homogenization under a pressure of 100 to 1000 bar, and 90% of  
the particles of the dispersion being less than 40 nm,  
further wherein a coating produced from said dispersion has a resistivity of at  
least 5000  $\Omega\text{cm}$ ,  
said coating being prepared by applying said dispersion to a glass substrate  
at a thickness of 200 nm, drying the applied dispersion at a temperature of  
100°C to 300°C thereby forming said coating, vapor-depositing parallel gold  
metal strips each having a length of 20 mm and a width of  $[[2]]$  3 mm and  
being separated by  $[[3]]$  1.0 mm onto said coating by means of a mask, the  
resistivity being determined from resistance measured between said parallel  
gold metal strips, said resistance being measured in a vacuum and by means  
of a four-pole method.

Claim 2. (Cancelled)

Claim 3. (Cancelled)

Claim 4. (Previously Presented) The dispersion according to Claim 1, wherein the 3,4-polyalkylenedioxythiophenes are represented by formula (I),



wherein,

n is an integer from 3 to 100, and

X is  $-(CH_2)_x-CR^1R^2-(CH_2)_y-$ , wherein

$R^1$  and  $R^2$ , independently of one another, are selected from the group consisting of H, an optionally substituted alkyl radical having from 1 to 20 carbon atoms, an aryl radical having from 6 to 14 carbon atoms, and  $-CH_2-OR^3$ ,

wherein  $R^3$  is selected from the group consisting of H, alkyl and  $-CH_2-CH_2-SO_3H$ ,

and

x and y are each, independently of one another, an integer from 0 to 9.

Claim 5. (Original) The dispersion according to Claim 1, wherein the dispersion is a 3,4-polyethylenedioxythiophene / polystyrene sulfonate dispersion.

Claims 6-8. (Cancelled)

Claim 9. (Previously Presented) The dispersion according to Claim 4, wherein n is an integer from 4 to 15.